

REMARKS

Claims 1-10 are presently pending and stand rejected.

Claims 3 and 5-10 were rejected under 35 U.S.C. § 112, second paragraph. Assignee has amended claims 3, 4, 5 and 7 and submits that these amendments overcome this rejection.

Claims 1-4 were rejected under 35 U.S.C. § 103(a) as being obvious from the combination of Fimoff in view of Yuan. Claim 1 recites, among other limitations "pixel reconstructor operable to reconstruct pixels from macroblocks encoded in accordance with a plurality of standards".

Examiner has indicated that Fimoff teaches a "pixel reconstructor operable to reconstruct pixels from macroblocks encoded in accordance with a plurality of standards (column 6, line 50-58)".

Fimoff, Col. 6, Lines 5-58 recite:

In accordance with another aspect of the present invention, a method of reconstructing pixel blocks from P and B DCT coded blocks comprises the following steps: a) selecting reference pixels from a memory in response to a motion vector; b) filtering the selected reference pixels to produce a filtered output; c) if the motion vector has $\frac{1}{2}$ pixel resolution, adding a drift compensation value to the filtered output; and d) adding the filtered output to the P and DCT coded blocks in order to form the reconstructed pixel blocks.

Assignee respectfully submits that the foregoing does not teach a "pixel reconstructor operable to reconstruct pixels from macroblocks encoded in accordance with a plurality of standards". The foregoing merely teaches "reconstructing pixels blocks from P and B DCT coded blocks". Merely "reconstructing pixels blocks from P and B DCT coded blocks" does not amount to "a plurality of

standards". Accordingly, Assignee respectfully traverses the rejection to claim 1, and dependent claims 2-4 and requests that Examiner withdraw the rejection.

Claim 5 was rejected under 35 U.S.C. § 103(a) as being obvious from the combination of Diaz in view of Moon. Claim 5 recites, among other limitations, "a register connected to the multiplexer; and a data path connected in parallel to the register".

Examiner has indicated that "Diaz is silent in regards to a horizontal register connected to the multiplexer and a horizontal data path connected in parallel to the horizontal register. However, Moon discloses multiple registers connected to more than one multiplexer (first-sixth registers, fig. 3 and first-second multiplexers). Further discloses by Moon is that the register have common pathways between the registers and multiplexers (fig. 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the decompression device of Diaz with the teaching of Moon's multiple registers and multiplexers to provide a more efficient decoder that increases the speed of the video decoder, bitstream decoder and the operating clock frequency (Moon, column line 31-47)."

In Diaz, "the embodiment of the invention shown in Figs. 2 and 3 the decoder is also capable of encoding a sequene to comply to the H.261 and H.263 standards to allow the decoder 200to be used for video telephony." It is noted that in Diaz, the "Data MUX 120" receives input from the "VLC Encoder 118". Thus, Assignee respectfully submits that one of ordinary skill in the art at the time of the

invention would not find it obvious to combine the Diaz, "Data MUX 120" that receives an input from the "VLC Encoder 118" with the teaching of Moon's multiple registers and multiplexers to provide a more efficient decoder that increases the speed of the video decoder, bitstream decoder and the operating clock frequency. Accordingly, Assignee respectfully traverses the rejection to claim 5, as well as to dependent claims 6-10.

CONCLUSION

For at least the foregoing reasons, Assignee respectfully submits that each of the pending claims are allowable and Examiner is respectfully requested to pass this case to issuance. The Commissioner is hereby authorized to charge additional fees or credit overpayments to the deposit account of McAndrews, Held & Malloy, Account No. 13-0017.

Dated: January 28, 2008

Respectfully submitted,



Mirut Dalal
Reg. No. 44,052
Attorney for Applicants

McAndrews, Held & Malloy, Ltd.
500 West Madison Street
Chicago, Illinois 60661

Telephone: (312) 775-8000
Facsimile: (312) 775-8100